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REISSUE PATENT APPLICATION TRANSMITTAL

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Address to:			Attorney Docket No.	C-2199Re						
Assis	tant Co	mmissioner for Paten	First Named Inventor	Dufner 9						
	leissue	minissioner for rater	Original Patent Number	6,024,848						
Wash	ington,	DC 20231	Original Patent Issue Date (Month/Day/Year)	Feb. 15, 2000						
			Express Mail Label No.	EL914566118 US						
APPLICATION (Check app		l X	Design Patent Plant Patent							
APPLICAT	ION EL	EMENTS (37 CFR 1.1	ACCOMPANYING APPLICATION PARTS							
1. X Fee Trans	smittal Fo	rm (PTOI SBI 56) a duplicate for fee processing)		10. X Statement of status and support for all changes						
		laims small entity status. See 37 CFR 1.27. to the claims. See 37 CFR 1.173 (c) 11. X Original U.S. Patent for surrender								
3. X Specification format (an	ication and Claims in double column copy of patent (amended, if appropriate) Ribboned Original Patent Grant									
		ed amendments, if appropria	nte)	Statement of L	Statement of Loss (PTO/SB/55)					
1 A 1 A 1		aration (original or copy) (PTO/SB/51 or 52)		12. Foreign Priority Claim (35 U.S.C. 119) (if applicable)						
6. X Power of A	Attomey	,		13. Information Discl Statement (IDS)//	Toopies of 100					
7. Original U.S. Pa	tent curre	ently assigned? X Yes	English Translation of Reissue Oath/Declaration							
(If Yes, check a	oplicable L	box(es))	(if applicable)							
		all Assignees (PTO/SB/53)		15. Preliminary Amendment 16. X Return Receipt Postcard (MPEP 503)						
X 37 C.F.R. (PTO/SB) Statement								
8. CD-ROM or large t	or CD-R able	in duplicate, Computer Progr	16. (Should be specifically itemized) 17. Other: Assignment for recording W/PTO-1595/dupl.							
9. Nucleotide and/o (if applicable, all	r Amino A of the foll	Acid Sequence Submission of which was a common sequence (which is a common sequence								
a. Comput	ter Reada	ble Form (CFR)								
b. Specification S i ☐ CD-f	ROM (2 ca	Listing on: opies) or CD-R (2 copies); o	r	<u> </u>						
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 	er Numbe	er or Bar Code Label	Customer No. or Attac	or Corr ch bar,code (abel here))	espondence address below					
Name	М.	P. Williams								
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City	<u> </u>		Zip Code	06040						
City Manchester State				CT Fax 860-649-1385						
Country	USA		860-649-0305							
NAME (Print/Type) M. P. Williams Registration No.(Attorney/Agent) 19,220										
NAME (PrinuType) M. P. Williams Signature M. Williams				Date	2/13/02					

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REISSUE APPLICATION FEE TRANSMITTAL FORM					Docket Number (Optional)					
Claims in Patent			er Filed in		(3)	Small E	ntity		Other than a	Small Entity
- aten	Total Claims	Reissue	Application	 	nber Extra	Rate	Fee		Rate	Fee
(A) 14	(37 CFR 1.16(j))	(B) 21) 21		1 =	x \$=			× \$_18_=	18.00
(c) 2	Independent claims (37 CFR 1.16(i))	(D) 6		4 =		x \$=		or	×\$ <u>84</u> =	336.00
Basic Fee (37 CFR 1.16(h)) \$ \$_740.00										
				To	otal Filing F	ee	\$		OR	\$ 1094.00
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	(1)		(2)		(3)	Small E	ntity Other than a Small Entity			
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Claims (37 CFR 1.16	9(1) 1	1	<u>.</u>		Total Ad	tditional Fee	\$	-	x \$:	- q
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"Highest Number of Independent Claims Previously Paid For" or Number of Independent Claims in Patent (C). Applicant claims small entity status. See 37 CFR 1.27.										
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The Comr	nissioner is hereby autl	norized to	charge any a	ddition	al fees und	er 37 CFR 1 1	6 or 1.17	whic	h may be req	uired, or
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Date Signature of Applicant, Attorney or Agent of Record										
M. P. Williams										
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Docket Number (Optional) REISSUE APPLICATION FEE TRANSMITTAL FORM C-2199Re Claims as Filed - Part 1 Claims in Small Entity Other than a Small Entity Number Filed in Patent Reissue Application Rate Fee Number Extra Rate Fee **Total Claims** (A) 14 x \$ 18 = (B) 21 1 18.00 (37 CFR 1.16(j)) 2 (C) (D) 6 4 Independent claims 336.00 (37 CFR 1.16(i)) \$ 740.00 Basic Fee (37 CFR 1.16(h)) Total Filing Fee s 1094.00 Claims as Amended - Part 2 (1) (2)(3) Small Entity Other than a Small Entity Highest Number Claims Remaining Extra Rate Previously Claims Fee Rate Fee After Amendment Paid For Present Total Claims = MINUS (37 CFR 1.16(j) x \$ Independent MINUS Claims (37 CFR 1.16(i)) x \$ Total Additional Fee \$ OR \$ * If the entry in (D) is less than the entry in (C), Write "0" in column 3. ** If the "Highest Number of Total Claims Previously Paid For" is less than 20, Write "20" in this space. *** After any cancellation of claims. **** If "A" is greater than 20, use (B - A); if "A" is 20 or less, use (B - 20). "Highest Number of Independent Claims Previously Paid For" or Number of Independent Claims in Patent (C). Applicant claims small entity status. See 37 CFR 1.27. 50-1307 ____ in the amount of _ Please charge Deposit Account No. A duplicate copy of this sheet is enclosed. The Commissioner is hereby authorized to charge any additional fees under 37 CFR 1.16 or 1.17 which may be required, or credit any overpayment to Deposit Account No. 50-1307 A duplicate copy of this sheet is enclosed. A check in the amount of \$ _____ to cover the filing / additional fee is enclosed. Payment by credit card. Form PTO-2038 is attached. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. 2/13/02 Date Signature of Applicant, Attorney or Agent of Record M. P. Williams

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Reissue application of

Bryan F. Dufner et al

Docket No. C-2199Re

Patent No. 6,024,848

Date: February 13, 2002

Granted: February 15, 2000

Title: ELECTROCHEMICAL CELL WITH

A POROUS SUPPORT PLATE

Statement of Support (37 CFR 1.173(c))

Commissioner of Patents and Trademarks Washington, DC 20231

Sir:

This reissue application simply adds claims 15-21.

Claims 15, 16, 20 and 21 recite that the reactant gas pressure is higher, by 2-3 psi, than the pressure of the coolant stream. Support for this is at column 8, lines 19-22.

Claims 17 and 18 recite a support plate having a partially hydrophobic bilayer between a hydrophilic substrate layer and the membrane electrode assembly, with 50% - 80% hydrophobic material and 50% - 20% hydrophilic material. Support for this is at column 7, lines 48-51.

Claim 19 recites support plate porosity of 65% - 75%. Support for this is at column 7, lines 54-59.

Respectfully submitted,

Attorney of Record

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